

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

MARK SCHEME for the May/June 2012 question paper
for the guidance of teachers

**0417 INFORMATION AND COMMUNICATION
TECHNOLOGY**

0417/32

Paper 3 (Practical Test B), maximum raw mark 80

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

- Cambridge will not enter into discussions or correspondence in connection with these mark schemes.

Cambridge is publishing the mark schemes for the May/June 2012 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

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Week 29

A Student, XX999, 99999

Pay rates

A	€ 7.50
B	€ 8.00
C	€ 9.20
D	€ 10.75

Job codes

A	Administration/Office
B	Snowboard Instructor
H	Host/Hostess
S	Ski Instructor
SA	Senior Administrator
TA	Transport assistant
TB	Trainee Snowboard Instructor
TM	Transport Manager
TS	Trainee Ski Instructor

Page	Single page - portrait	1 mark
Print area	As specified	1 mark
	Currency Euros & 2 dp	1 mark

Header	Week 29 - left	
	Name & numbers - right aligned	1 mark
Footer	Last edited on & date and time - centre	1 mark

Last edited on 21/02/2011 11:20

Page 3	Mark Scheme: Teachers' version	Syllabus	Paper
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	A	B	C	D	E	F	G
1	The Xtreme Adventure Holiday Company						
2							
3	Pay rates						
4	A	7.5	Job description Lookup used Correct lookup reference Lookup - relative reference Correct absolute range Correct return column	1 mark 1 mark 1 mark 1 mark 1 mark		Pay Lookup used Correct relative lookup reference Correct named range Correct return column Multiplied by F22	1 mark 1 mark 1 mark 1 mark 1 mark
5	B	8					
6	C	9.2					
7	D	10.75					
8							
9	Job codes						
10	A	Administration/Office					
11	B	Snowboard Instructor					
12	H	Host/Hostess					
13	S	Ski Instructor					
14	SA	Senior Administrator					
15	TA	Transport assistant					
16	TB	Trainee Snowboard Instructor					
17	TM	Transport Manager					
18	TS	Trainee Ski Instructor					
19							
20	Employees						
21	Job code	Name	Pay code	Job description	Contract hours	Hours worked	Pay
22	TA	Arne Bircher	A	=VLOOKUP(A22,\$A\$10:\$B\$18,2)	10	10	=VLOOKUP(C22,RATE,2)*F22
23	TS	Jon Haby	A	=VLOOKUP(A23,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C23,RATE,2)*F23
24	TM	Thomas Tobler	C	=VLOOKUP(A24,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C24,RATE,2)*F24
25	B	Tim Frueh	B	=VLOOKUP(A25,\$A\$10:\$B\$18,2)	25	15	=VLOOKUP(C25,RATE,2)*F25
26	TA	Dekke Heitz	A	=VLOOKUP(A26,\$A\$10:\$B\$18,2)	12	12	=VLOOKUP(C26,RATE,2)*F26
27	B	Simone Aebi	B	=VLOOKUP(A27,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C27,RATE,2)*F27
28	A	Luca Rim	B	=VLOOKUP(A28,\$A\$10:\$B\$18,2)	12	12	=VLOOKUP(C28,RATE,2)*F28
29	B	Lara Forrer	B	=VLOOKUP(A29,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C29,RATE,2)*F29
30	B	John Zwinky	B	=VLOOKUP(A30,\$A\$10:\$B\$18,2)	12	12	=VLOOKUP(C30,RATE,2)*F30
31	SA	Romina Von Gunten	D	=VLOOKUP(A31,\$A\$10:\$B\$18,2)	40	40	=VLOOKUP(C31,RATE,2)*F31

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32	A	Arenwald Wurgler	A	=VLOOKUP(A32,\$A\$10:\$B\$18,2)	38	38	=VLOOKUP(C32,RATE,2)*F32
33	B	Julian Bruster	C	=VLOOKUP(A33,\$A\$10:\$B\$18,2)	30	35	=VLOOKUP(C33,RATE,2)*F33
34	H	Sofia Walp	A	=VLOOKUP(A34,\$A\$10:\$B\$18,2)	20	20	=VLOOKUP(C34,RATE,2)*F34
35	S	Arda Hegler	B	=VLOOKUP(A35,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C35,RATE,2)*F35
36	S	Nathan Ganz	B	=VLOOKUP(A36,\$A\$10:\$B\$18,2)	25	28	=VLOOKUP(C36,RATE,2)*F36
37	S	Alessandro Messerli	B	=VLOOKUP(A37,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C37,RATE,2)*F37
38	S	Luca Roser	C	=VLOOKUP(A38,\$A\$10:\$B\$18,2)	30	30	=VLOOKUP(C38,RATE,2)*F38
39	TB	Andri Jud	A	=VLOOKUP(A39,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C39,RATE,2)*F39
40	S	Matteo Nufer	B	=VLOOKUP(A40,\$A\$10:\$B\$18,2)	25	10	=VLOOKUP(C40,RATE,2)*F40
41	S	Laura Haener	B	=VLOOKUP(A41,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C41,RATE,2)*F41
42	S	Livio Stager	B	=VLOOKUP(A42,\$A\$10:\$B\$18,2)	25	35	=VLOOKUP(C42,RATE,2)*F42
43	S	Giulia Ramseyer	C	=VLOOKUP(A43,\$A\$10:\$B\$18,2)	30	30	=VLOOKUP(C43,RATE,2)*F43
44	TB	Noah Truby	A	=VLOOKUP(A44,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C44,RATE,2)*F44
45	TA	Raphael Michlig	A	=VLOOKUP(A45,\$A\$10:\$B\$18,2)	12	12	=VLOOKUP(C45,RATE,2)*F45
46	B	Luca Gisi	B	=VLOOKUP(A46,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C46,RATE,2)*F46
47	A	Matteo Isch	B	=VLOOKUP(A47,\$A\$10:\$B\$18,2)	12	0	=VLOOKUP(C47,RATE,2)*F47
48	B	Alice Thoeny	B	=VLOOKUP(A48,\$A\$10:\$B\$18,2)	25	30	=VLOOKUP(C48,RATE,2)*F48
49	B	Leonardo Jud	B	=VLOOKUP(A49,\$A\$10:\$B\$18,2)	12	12	=VLOOKUP(C49,RATE,2)*F49
50	S	Fabian Ging	B	=VLOOKUP(A50,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C50,RATE,2)*F50
51	S	Leon Joost	B	=VLOOKUP(A51,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C51,RATE,2)*F51
52	S	Nico Lichty	B	=VLOOKUP(A52,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C52,RATE,2)*F52
53	S	Leandro Laqua	B	=VLOOKUP(A53,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C53,RATE,2)*F53
54	S	Mattia Polt	B	=VLOOKUP(A54,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C54,RATE,2)*F54
55	S	Camille Oberlin	B	=VLOOKUP(A55,\$A\$10:\$B\$18,2)	25	25	=VLOOKUP(C55,RATE,2)*F55
56	A	Matteo Hilty	B	=VLOOKUP(A56,\$A\$10:\$B\$18,2)	20	20	=VLOOKUP(C56,RATE,2)*F56
57	B	Mia Leupp	B	=VLOOKUP(A57,\$A\$10:\$B\$18,2)	25	30	=VLOOKUP(C57,RATE,2)*F57
58	B	Nico Gantert	B	=VLOOKUP(A58,\$A\$10:\$B\$18,2)	12	12	=VLOOKUP(C58,RATE,2)*F58
59					Average	=AVERAGE(F22:F58)	
60					Total		=SUM(G22:G58)

Cell F59 AVERAGE(F22:F58)

Cell G60 SUM(G22:G58)

1 mark

1 mark

Printout Single landscape page wide, all vis 1 mark
 Replication Both formulae 1 mark

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The Xtreme Adventure Holiday Company

Employees

Job code	Name	Position	Job description	Contract hours	Hours worked	Pay
TA	Arne Bircher	A	Transport assistant	10	10	€ 75.00
TS		A	Ski Instructor	25	25	€ 187.50
TM		A	Manager	25	25	€ 230.00
B		A	Instructor	25	15	€ 120.00
TA		A	Trainer	12	12	€ 90.00
B	Simone Aebi	B	Snowboard Instructor	25	25	€ 200.00
A	Luca Rim	B	Administration/Office	12	12	€ 0.00
B	Lara Forrer	B	Snowboard Instructor	25	25	€ 200.00
B	John Zwinky	B	Snowboard Instructor	25	25	€ 200.00
SA	Romina Von Gunten	D	Secretary	38	38	€ 285.00
A	Arenwald Wurgler	A	Administration/Office	38	38	€ 285.00
B	Julian Bruster	C	Snowboard Instructor	30	35	€ 322.00
H	Sofia Walp	A	Host/Hostess	20	20	€ 150.00
S	Arda Hegler	B	Ski Instructor	25	25	€ 200.00
S	Nathan Ganz	B	Ski Instructor	25	28	€ 224.00
S	Alessandro Messerli	B	Ski Instructor	25	25	€ 200.00
S	Luca Roser	C	Ski Instructor	30	30	€ 276.00
TB	Andri Jud	A	Trainee Snowboard Instructor	25	25	€ 187.50
S	Matteo Nufer	B	Ski Instructor	25	10	€ 80.00
S	Laura Haener	B	Ski Instructor	25	25	€ 200.00
S	Livio Stager	B	Ski Instructor	25	35	€ 280.00
S	Giulia Ramseyer	C	Ski Instructor	30	30	€ 276.00
TB	Noah Truby	A	Trainee Snowboard Instructor	25	25	€ 187.50
TA	Raphael Michlig	A	Transport assistant	12	12	€ 90.00
B	Luca Gisi	B	Snowboard Instructor	25	25	€ 200.00
A	Matteo Isch	B	Administration/Office	12	0	€ 0.00
B	Alice Thoeny	B	Snowboard Instructor	25	30	€ 240.00
B	Leonardo Jud	B	Snowboard Instructor	12	12	€ 96.00
S	Fabian Ging	B	Ski Instructor	25	25	€ 200.00
S	Leon Joost	B	Ski Instructor	25	25	€ 200.00
S	Nico Lichty	B	Ski Instructor	25	30	€ 240.00
S	Leandro Laqua	B	Ski Instructor	25	0	€ 0.00
S	Mattia Polt	B	Ski Instructor	25	25	€ 200.00
S	Camille Oberlin	B	Ski Instructor	25	5	€ 40.00
A	Matteo Hilty	B	Administration/Office	20	20	€ 160.00
B	Mia Leupp	B	Snowboard Instructor	25	30	€ 240.00
B	Nico Gantert	B	Snowboard Instructor	12	12	€ 96.00
			Average		21.7027027	
			Total			€ 6,594.50

Top row
Merge cells A1 to G1
Striped background
Grey background
Black 24 point serif font

1 mark
1 mark
1 mark
1 mark

Rows 3-18
Currency
Printout

Hidden
Pay column - Correct format - all cells
Single page wide, all visible

1 mark
1 mark
1 mark

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The Xtreme Adventure Holiday Company

Employees

Job code	Name	Pay code	Job description	Contract hours	Hours worked	Pay
TS	Jon Haby	A	Trainee Ski Instructor	25	25	€ 187.50
S	Arda Hegler	B	Ski Instructor	25	25	€ 200.00
S	Nathan Ganz	B	Ski Instructor	25	28	€ 224.00
S	Alessandro Messerli	B	Ski Instructor	25	25	€ 200.00
S	Luca Roser	C	Ski Instructor	30	30	€ 276.00
S	Laura Haener	B	Ski Instructor	25	25	€ 200.00
S	Livio Stager	B	Ski Instructor	25	35	€ 280.00
S	Giulia Ramseyer	C	Ski Instructor	30	30	€ 276.00
S	Fabian Ging	B	Ski Instructor	25	25	€ 200.00
S	Leon Joost	B	Ski Instructor	25	25	€ 200.00
S	Nico Lichty	B	Ski Instructor	25	30	€ 240.00
S	Mattia Polt	B	Ski Instructor	25	25	€ 200.00

Extract	Contains Ski 25 or more hours worked Single page wide	1 mark 1 mark 1 mark
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Browser Not viewed from editing package 1 mark


Top table From J12Table4.htm 1 mark

Top left Last edited by & name & No's 1 mark

The Xtreme Adventure Holiday Company

Last edited by A. Candidate, Centre:XX9999, Candidate:99999

Cave swimming	Below the waves	Hit the slopes	ATV/Quad bikes	Combination Holidays
---------------	-----------------	----------------	----------------	--------------------------------------






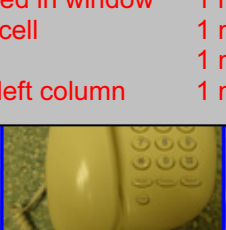
Make your dreams come true... Our holidays will accommodate your every need.

Swim in the cenotes in Mexico, cross-country skiing in Norway or alpine skiing in France.

For motor sports enthusiasts, try a skidoo through the snowy wastes or ride ATVs through a steamy jungle.

We offer superb value for money. Contact us for further details.

Try a real adventure holiday, can be extreme, make you scream, but for pleasure and excitement

				
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Middle table 4 rows & 2 columns 1 mark
 Merged cells in column 1 1 mark
 Table centre aligned in window 1 mark
 Correct text each cell 1 mark
 Style h3 1 mark
 J12TREE.JPG in left column 1 mark

Done Computer | Protected Mode: Off 100%

Candidate name Centre number Candidate number

Page 8	Mark Scheme: Teachers' version	Syllabus	Paper
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We offer superb value for money. Contact us for further details.

Try a real adventure holiday, can be extreme, could make you scream, but for pleasure and excitement try one of these:



Try our specialist combination holidays

Combination holidays

For all you real adrenaline junkies out there, why not try two or more of our holidays combined. Maybe a week skiing followed by a spectacular off-road driving experience in the frozen wastes, or combine scuba with an aerial adventure or off-road in the tropical rain forest. All our holidays involve the adrenaline rush, followed by pure relaxation in the best hotels where you will be truly pampered. Try a day on the slopes followed by a superb a la carte dinner prepared for you by one of the world finest chefs. You will not find these holidays in any brochure, each holiday is unique to your requirements. Contact us using the image above for further details.

Return to the top of the page by [clicking on this link](#).

Website last updated on 16/1/2012 12:04:00

Bottom table	From J12Table6.htm	1 mark
	Cave swim image left	1 mark
	Scuba image 2nd	1 mark
	Skis image 3rd	1 mark
	ATV image 4th	1 mark
	Phone image right	1 mark
	Scuba resized to 120 & aspect	1 mark
	Skier resized to 120 & aspect	1 mark
	'Date & Time here' replaced	1 mark

Candidate name Centre number Candidate number

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```

<HTML>
  <HEAD>
    <TITLE>The Xtreme Adventure Holiday Company - June 2012</TITLE>
    <link rel="stylesheet" type="text/css" href="J1232.css">
  </HEAD>
<BODY>
<a name="start"></a>
<TABLE width="100%" id="table1">
  <TR align="center" valign="middle">
    <TD colspan = "5"> <img src = "J12Banner1.jpg" alt="Banner"></TD>
  </TR>
  <TR>
    <TD colspan = "5">
      <h3>Last edited by A. Candidate, Centre:XX9999, Candidate:99999 </h3>
    </TD>
  </TR>
  <TR>
    <TD>
      <h2>Cave swimming</h2>
    </TD>
    <TD>
      <h2>Below the waves</h2>
    </TD>
    <TD>
      <h2>Hit the slopes</h2>
    </TD>
    <TD>
      <h2>ATV/Quad bikes</h2>
    </TD>
    <TD>
      <h2><a href="#combine">Combination Holidays</a></h2>
    </TD>
  </TR>
</TABLE>
<TABLE width="75%" align="center" id="table2">
  <TR>
    <TD rowspan = "4"><img src = "J12TREE.jpg" alt="Tree image"></TD>
    <TD> <h3>Make your dreams come true... Our holidays will accommodate
your every need.</h3></TD>
  </TR>
  <TR>
    <TD> <h3>Swim in the cenotes in Mexico, cross-country skiing in Norway
or alpine skiing in France.</h3></TD>
  </TR>
  <TR>
    <TD> <h3>For motor sports enthusiasts, try a skidoo through the snowy
wastes or ride ATVs through a steamy jungle.</h3></TD>
  </TR>
  <TR>
    <TD> <h3>We offer superb value for money. Contact us for further
details.</h3></TD>
  </TR>
</TABLE>

```

Correct stylesheet attached 1 mark

Anchor start 1 mark

Table Width 100% 1 mark

Hyperlink Combination Holidays
To anchor combine 1 mark
1 mark

Table Width 75% 1 mark

Candidate name Centre number Candidate number

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Table Width 100% 1 mark

```

<TABLE id="table3" width="100%">
  <TR align="center" valign="middle" >
    <TD colspan = "5">
      <h2>Try a real adventure holiday, can be extreme, could make you
      scream, but for pleasure and excitement try one of these:</h2>
    </TD>
  </TR>
  <TR>
    <TD>
      <h2><img src ="J12IMG13.jpg" alt="Cave image"></h2>
    </TD>
    <TD>
      <h2><a href="J12DIVE.HTM" target="_ocean"><img src ="J12IMG16.jpg"
width="120" alt="Dive image"></a></h2>
    </TD>
    <TD>
      <h2><img src ="J12IMG12.jpg" width="120" alt="Ski image"></h2>
    </TD>
    <TD>
      <h2><img src ="J12IMG11.jpg" alt="ATV image"></h2>
    </TD>
    <TD>
      <h2><a href="mailto:xahc@cie.org.uk?subject=Xtreme%20Holidays"> <img
src ="J12IMG15.jpg" alt="Contact us"></a></h2>
    </TD>
  </TR>
  <TR align="center" valign="middle">
    <TD colspan = "5"> <img src ="J12Banner2.jpg" alt="Sales banner
2"></TD>
  </TR>
  <TR>
    <TD colspan = "5">
      <a name="combine"></a>
      <h1> Combination holidays</h1>
      <h3> For all you real adrenaline junkies out there, why not try two
      or more of our holidays combined. Maybe a week skiing followed by a
      spectacular off-road driving experience in the frozen wastes, or combine
      scuba with an aerial adventure or off-road in the tropical rain forest. All
      our holidays involve the adrenaline rush, followed by pure relaxation in
      the best hotels where you will be truly pampered. Try a day on the slopes
      followed by a superb a la carte dinner prepared for you by one of the world
      finest chefs. You will not find these holidays in any brochure, each
      holiday is unique to your requirements. Contact us using the image above
      for further details.</h3>
    </TD>
  </TR>
  <TR>
    <TD colspan = "5">

```

Target _ocean to J12DIVE.HTM 1 mark 1 mark

Hyperlink Phone image as link 1 mark
mailto:xahc@cie.org.uk 1 mark
Subject Xtreme Holidays 1 mark

Anchor combine 1 mark

Candidate name Centre number Candidate number

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<h2>Return to the top of the page by [clicking on this link](#start)</h2>

<h3>Website last updated on 16/1/2012 12:00</h3>

</TD>
</TR>
</TABLE>
</BODY>
</HTML>

Hyperlink	clicking on this link	1 mark
	Returns to start	1 mark

Top right	Last edited by & name & No's	1 mark
-----------	------------------------------	--------

Text replaced	Enjoy your dives with:	1 mark
	In style h2	1 mark

Text	in correct cell	1 mark
P	Beginners start with:	1 mark
LI	pool sessions...Water diver	1 mark
P	You will:	1 mark
LI	enjoy the... exotic fish	1 mark
P	Qualified divers...	1 mark
Image	J12IMG16 – not resized in correct cell	1 mark

Page 12	Mark Scheme: Teachers' version	Syllabus	Paper
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```
<HTML>
  <HEAD>
    <TITLE>Diving with Xtreme Adventures</TITLE>
    <link rel="stylesheet" type="text/css" href="J1232.css">
  </HEAD>
<BODY>
```

Stylesheet J1232.css attached 1 mark

```
<h5>Last edited by Candidate name, centre number, candidate number</h5>
<h2>Enjoy your dives with:</h2>
```

```
<TABLE>
  <TR align="center" valign="center">
    <TD colspan = "2"><img src ="J12Banner1.jpg"></TD>
  </TR>
  <TR align="center" valign="center">
    <TD colspan = "2"><img src ="J12Banner2.jpg"></TD>
  </TR>
  <TR align="center" valign="center">
    <TD>
```

```
<p>Beginners start with:</p>
```

```
<ol>
  <li>pool sessions</li>
  <li>safety tuition</li>
  <li>developing confined water skills</li>
  <li>first ocean dive</li>
  <li>guided tasks</li>
  <li>qualification as an Open Water diver</li>
</ol>
```

Top list and correct place 1 mark

```
<p>You will:</p>
```

```
<ul>
  <li>enjoy the experience</li>
  <li>view an undersea world</li>
  <li>see exotic fish</li>
</ul>
```

Bottom list and correct place 1 mark

```
<p>Qualified divers also catered for.</p>
```

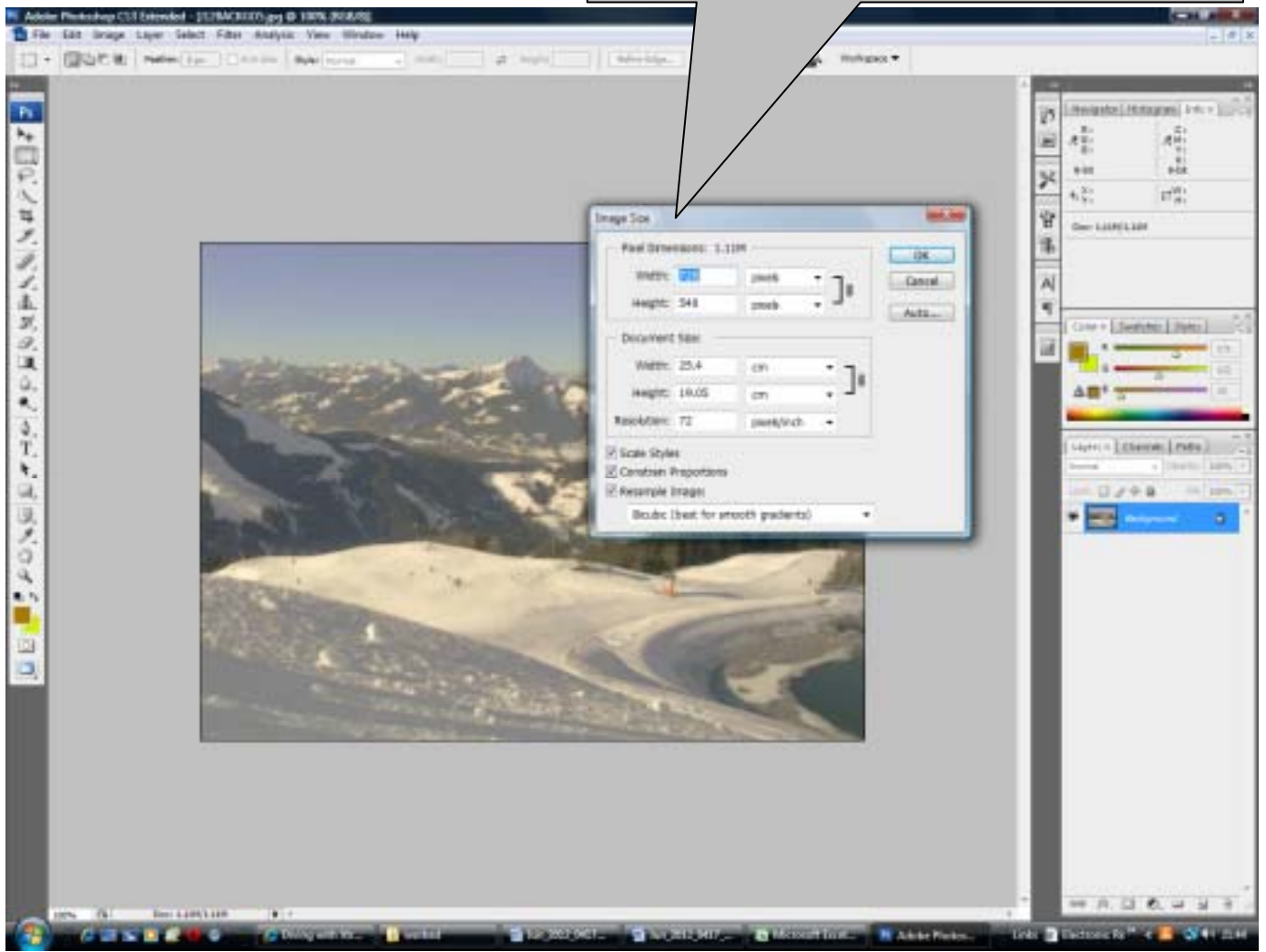
```
</TD>
<TD><img src ="J12IMG16.jpg"></TD>
```

```
</TR>
</TABLE>
</HTML>
```

Candidate name Centre number Candidate number

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Image size Resized to 720 pixels wide Aspect ratio maintained 1 mark
1 mark



Name	Size
J12BACKGD4.jpg	488 KB
J12BACKGD5.jpg	261 KB
J12BACKGD6.jpg	70 KB

Image Resolution =<100K 1 mark

Candidate name Centre number Candidate number

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The screenshot shows the 'New Name' dialog box with the following details:

- Name:** RATE
- Scope:** Workbook
- Refers to:** =J12Staff!\$A\$4:\$B\$7

Named range Correct range 1 mark
 Correct name 1 mark

Candidate name Centre number Candidate number